



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Ingersoll-Rand  
6810 Hillsdale Court  
Indianapolis, IN 46250

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** IR / SteelCraft Series "H16-4" Double Outswing glazed Commercial Steel Doors w / Sidelites & Transom

**APPROVAL DOCUMENT:** Drawing No "975W" Rev C, titled "H-16 4 FG 6070 outswing Doors", sheets 1 through 8 of 8, prepared by the manufacturer, dated 02-23-03 and last revised on 09/17/08, signed and sealed by Thomas Gordon, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large Missile Impact Resistant

**Limitations:**

1. Doors are not rated for Water infiltration.
2. Approved polystyrene is by Atlas EPS(min  $\rho = 1 \text{ \#/ft}^3$ ) and Polyurethane (Polyisocyanurate, min  $\rho = 2 \text{ \#/ft}^3$ ) by Elliott Company.
3. Electrical/Electronic function is not part of this approval, such functions to be reviewed and approved by AHJ.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 12-0305.07 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 13-0826.02  
Expiration Date: September 24, 2014  
Approval Date: September 19, 2013  
Page 1

8  
9/16/13

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's parts and sections drawings (submitted under file # 12-0305.07)
2. Drawing No "975W" Rev C, titled "H-16 4 FG 6070 outswing Doors", sheets 1 through 8 of 8, prepared by the manufacturer, dated 02-23-03 and last revised on 09/17/08, signed and sealed by Thomas Gordon, P.E.

**B. TESTS (Submitted under files #12-0305.07/# 08-0715.03)**

1. Test report on 1) Air Infiltration Test, per TAS 202-94
  - 2) Water Resistance Test per FBC TAS 202-94(Not conducted)
  - 3) Uniform Static Air Pressure Test, Loading per TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC, TAS 202-94

Along with manufacturer's parts and section drawings of double glazed outswing steel doors w/ sidelites & Transom, marked by Certified Testing Lab, Test Reports No(s). CTLA-975W dated Jan 23, 2003 and CTLA-776W-1 dtd April 25, 2002, both signed & sealed by Ramesh Patel, P.E.

**C. CALCULATIONS:**

1. Anchor verification evaluation report, dated 01-26-2005 and last revised on 06/09/2006, prepared, signed & sealed by Thomas Gordon., P.E. (submitted under files #12-0305.07/# 08-0715.03)

**D. QUALITY ASSURANCE BY**

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS (transferred from file # 08-0715.03)**

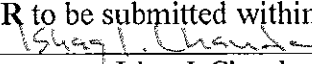
1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours for "SentryGlas interlayer", expiring on 01/14/2017.
2. Notice of Acceptance No. 08-0305.02 issued to Sabic Polymers (Former Geneal Electric Inc.) for "Lexan sheet", expiring on 07/17/2013.
3. Tensile test report # CTLA-776W (0194H), dtd 02/25/02 prepared by Certified Testing Lab, face sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
4. Tensile Test report No. A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM E-8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
5. Test Report No. 3094867SAT-001, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "EPS", issued to Falcon Foam, a Div of Atlas Roofing, re-named as "ATLAS EPS".
6. Test Report No. 16206-122543 (1015P200(3)), dated November 29, 2004 for " Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "Polyisocyanurate" issued by Omega Point Laboratories, Inc. to Elliot Company, Indianapolis, IN.

**F. STATEMENTS (submitted under files #12-0305.07/# 08-0715.03)**

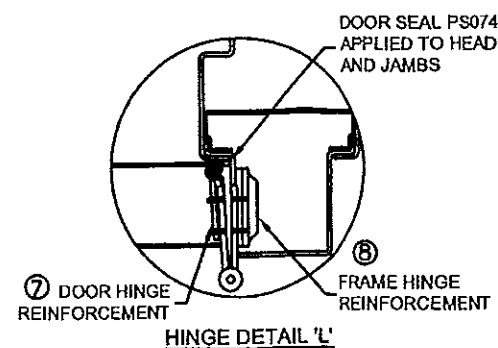
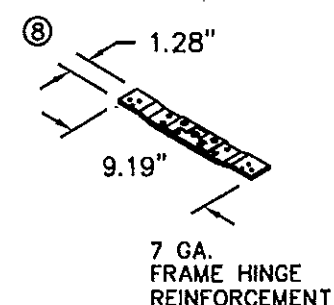
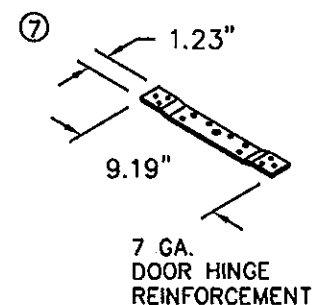
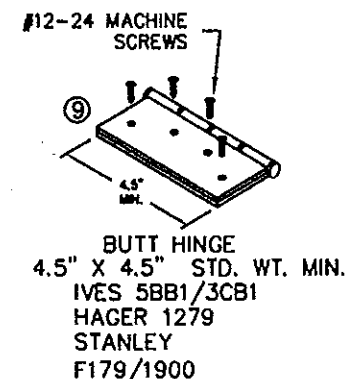
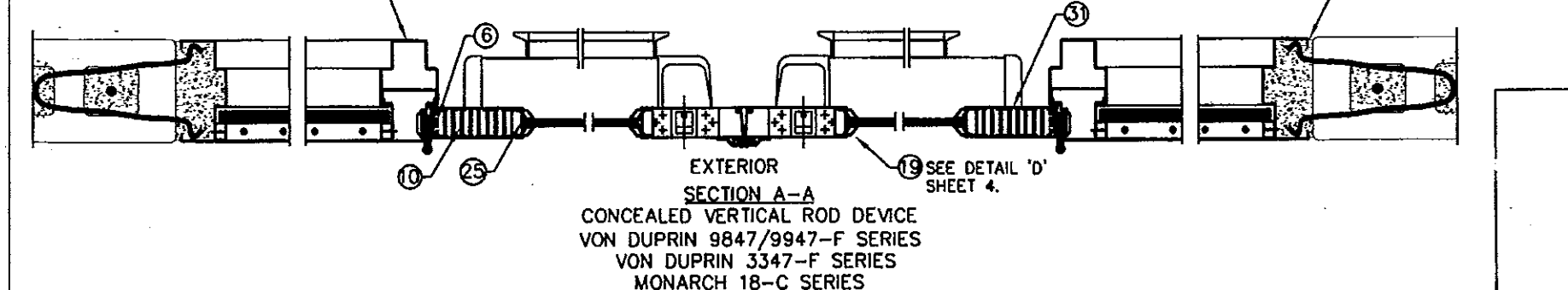
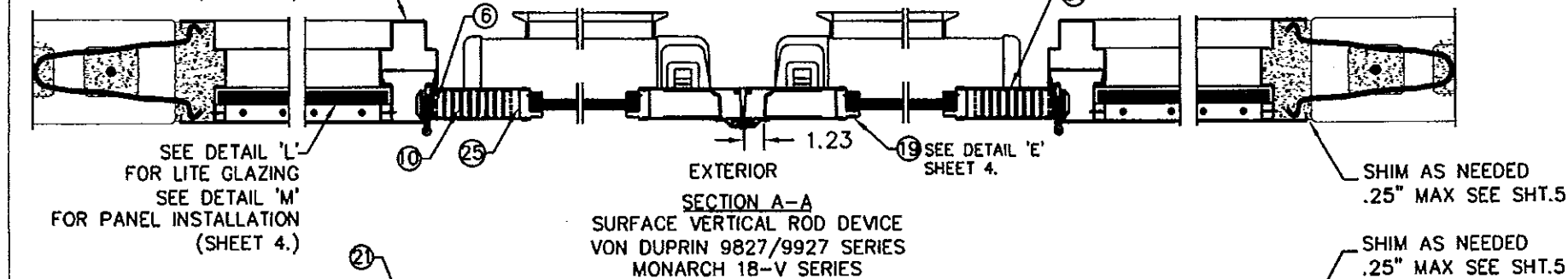
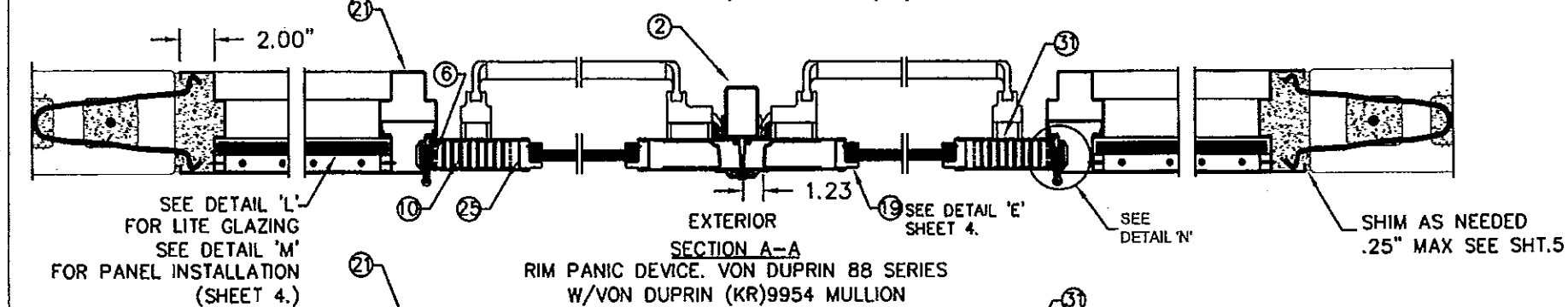
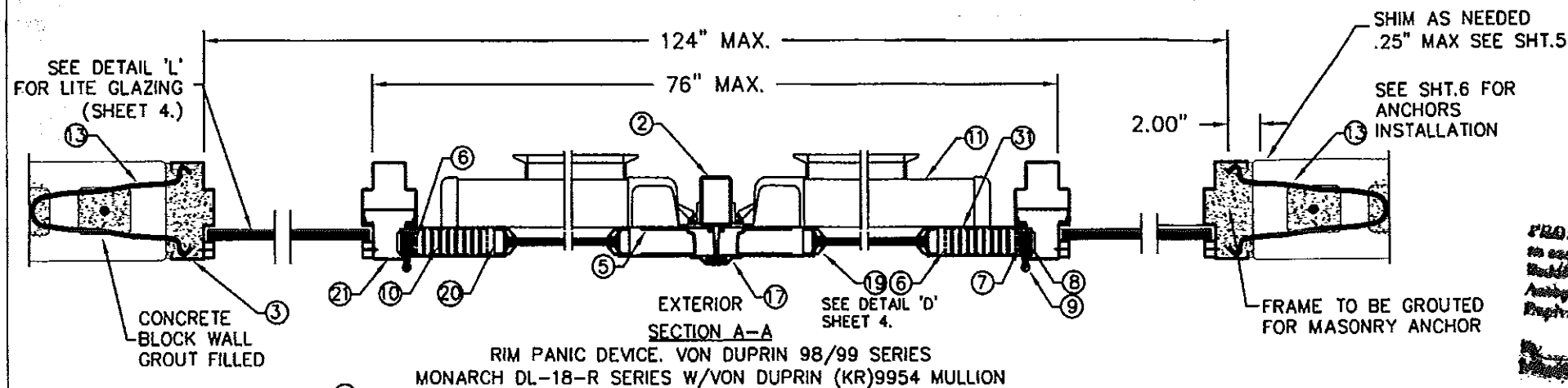
1. Letter of conformance to FBC 2010 "No financial interest" dated 02/15/12 and conformance to FBC 2007 dated July 14, 2008, both signed and sealed by Gordon Thomas, P.E.
2. Laboratory Statement of compliance, part of the above referenced test reports.

**G. OTHER**

1. This NOA is conditionally one-year renewal of NOA # 12-0305.07, expired on 09/11/13.
2. Ref: completed test report # ESP011331P2 per T.P. # 12-0844 R to be submitted within 1-Yr.

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 13-0826.02  
Expiration Date: September 19, 2014  
Approval Date: September 19, 2013

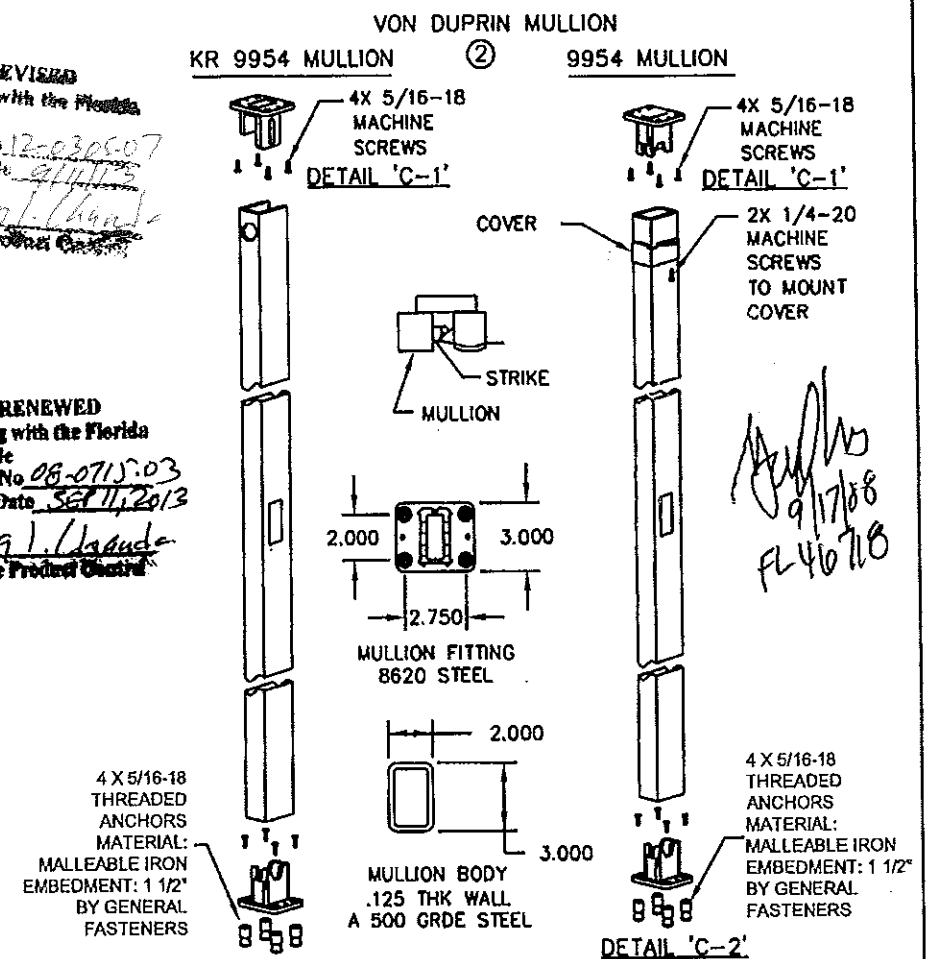




REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
C	REV'D DWG.	08/26/08	


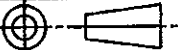
PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0305-07  
Expiration Date 9/1/11  
By [Signature]  
Miami State Product Control  
Division

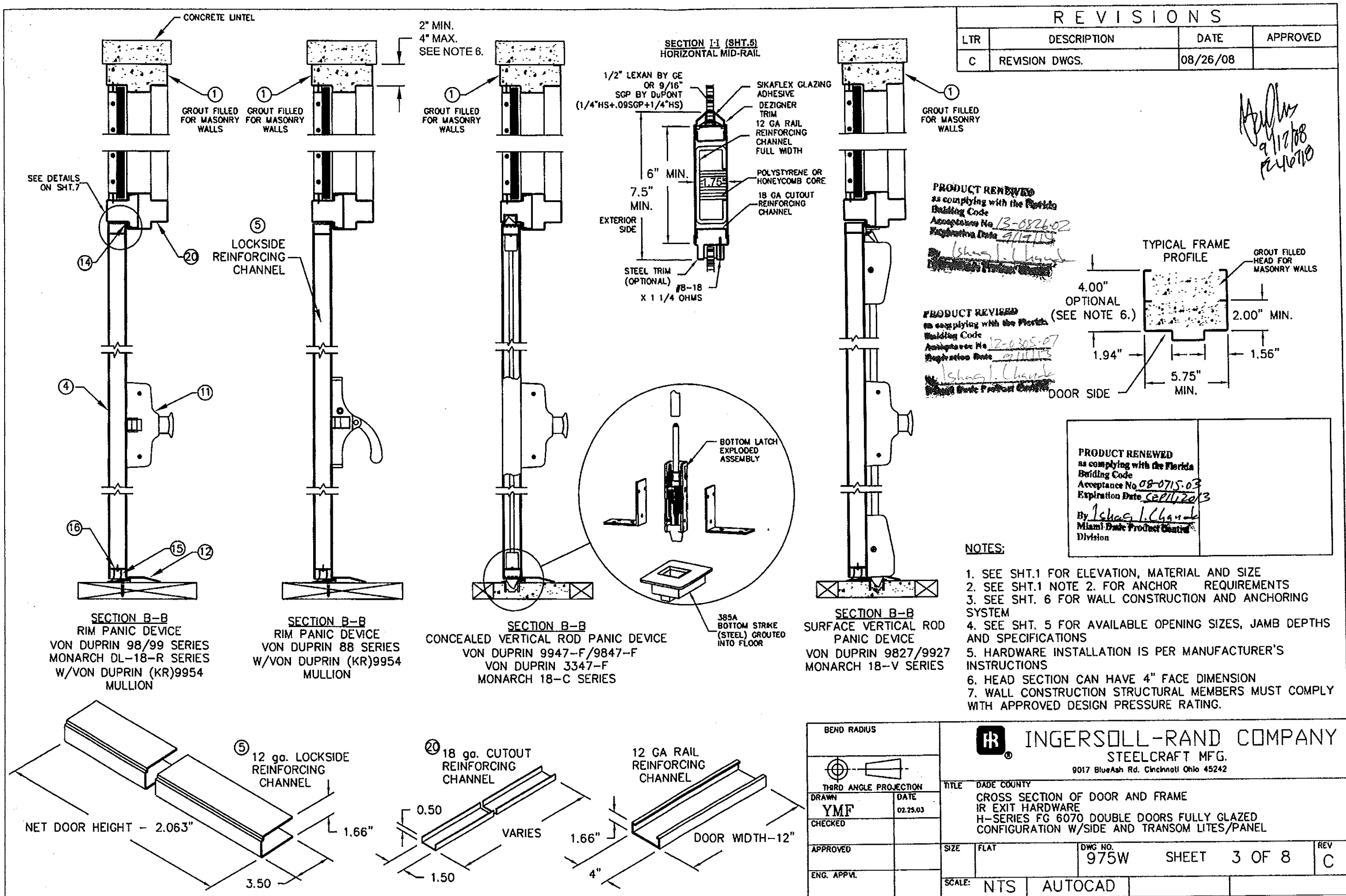
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Building Code  
Acceptance No. 08-0715-03  
Expiration Date 5/11/2013  
By [Signature]  
Miami State Product Control  
Division

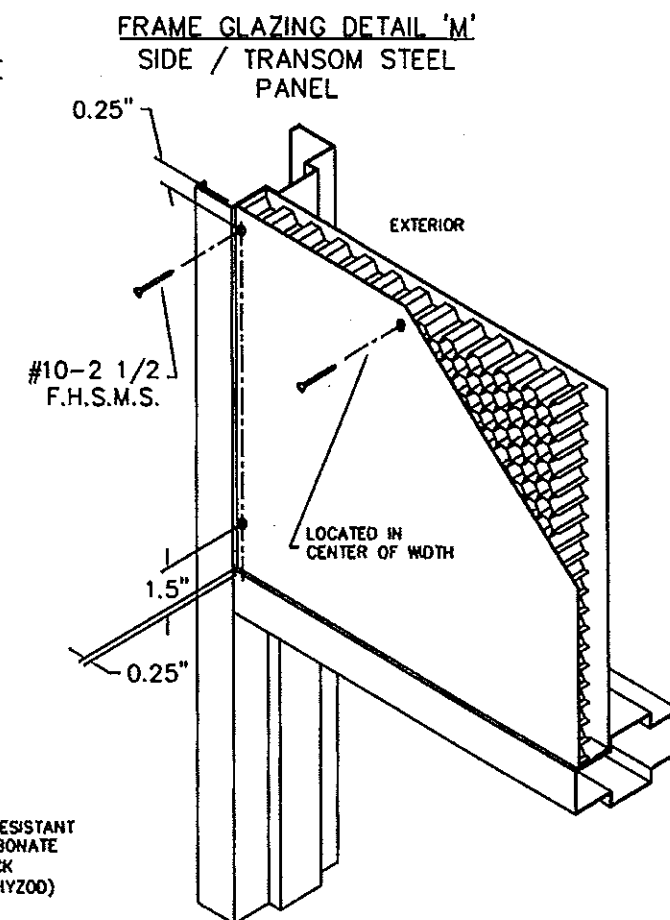
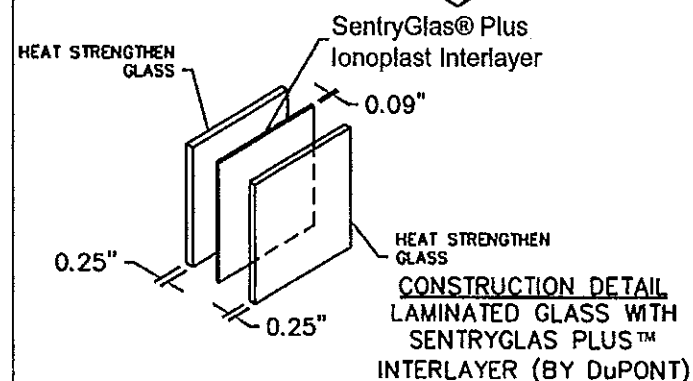
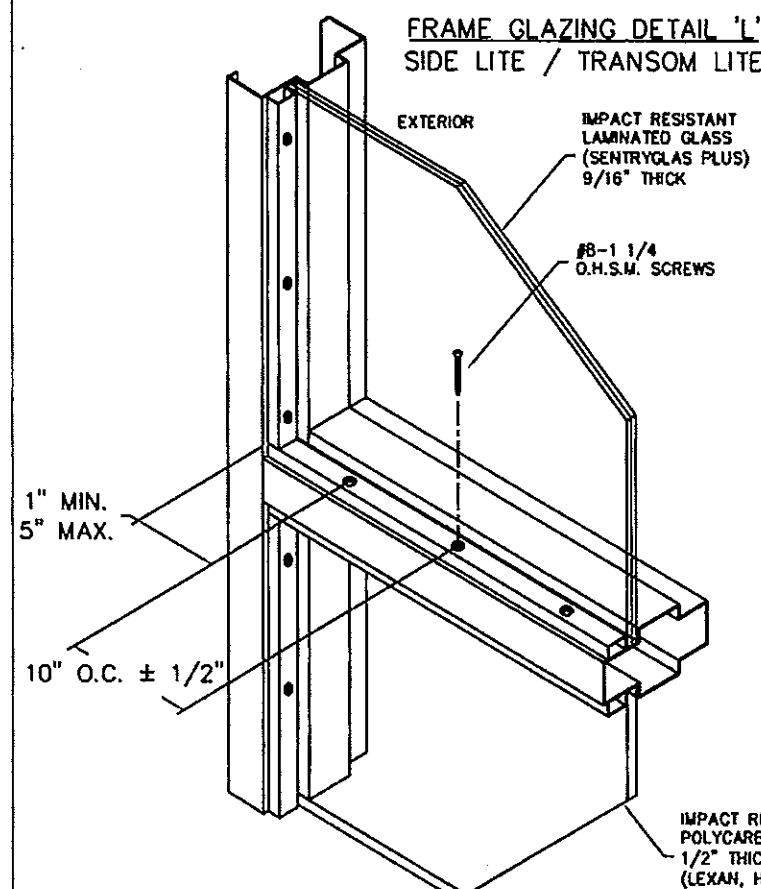


- NOTES:
1. SEE SHT.1 FOR ELEVATION, MATERIAL AND SIZE
  2. SEE SHT.1 NOTE 2. FOR ANCHOR REQUIREMENTS
  3. SEE SHT. 6 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM
  4. SEE SHT. 5 FOR AVAILABLE OPENING SIZES,JAMB DEPTHS AND SPECIFICATIONS
  5. HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS

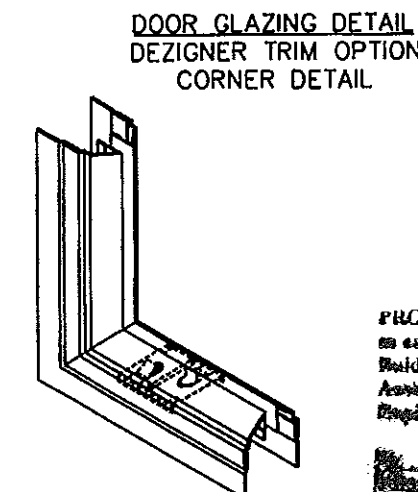
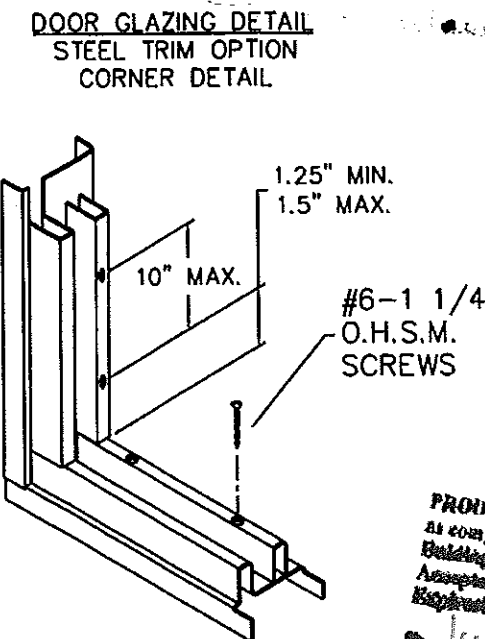
PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0826-02  
Expiration Date 7/13/14  
By [Signature]  
Miami State Product Control  
Division

BEND RADIUS		 <b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242				
		<b>TITLE</b> DADE COUNTY CROSS SECTION OF DOOR AND FRAME IR RIM EXIT HARDWARE H-SERIES FG 6070 DOUBLE DOORS FULL GLASS CONFIGURATION W/ SIDE AND TRANSOM LITES/PANEL				
<b>DRAWN</b> YMF	<b>DATE</b> 02.24.03					
<b>CHECKED</b>						
<b>APPROVED</b>						
<b>ENG. APPVL</b>		<b>SIZE</b>	<b>FLAT</b>	<b>DWG NO.</b> 975W	<b>SHEET</b> 2 OF 8	<b>REV</b> C
<b>SCALE:</b>		NTS		AUTOCAD		

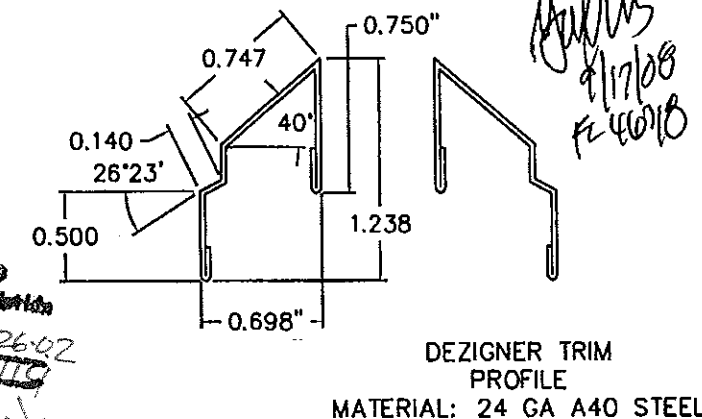




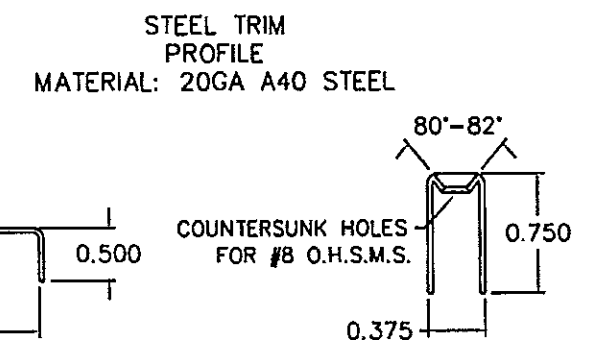
**PANEL CONSTRUCTION:**  
CORE MATERIAL  
- PHENOLIC RESIN IMPREGNATED HONEYCOMB W/1" CELL SIZE  
SKIN MATERIAL  
- 16 GA (.053" MIN. THK)  
- 18 GA (.040" MIN. THK)



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	02.25.03	
B	IN T/B, GLAZED WAS GLASS	06.06.03	
C	REV'D DWG	08/27/08	



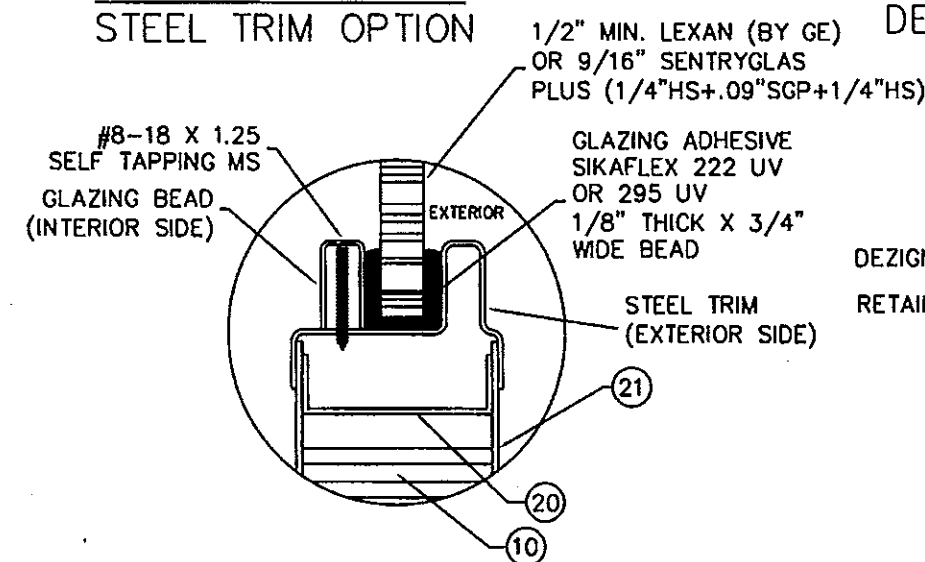
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as complying with the Florida Building Code  
Acceptance No. 13-0826-02  
Expiration Date 9/18/10  
By: [Signature]  
Division: [Signature]



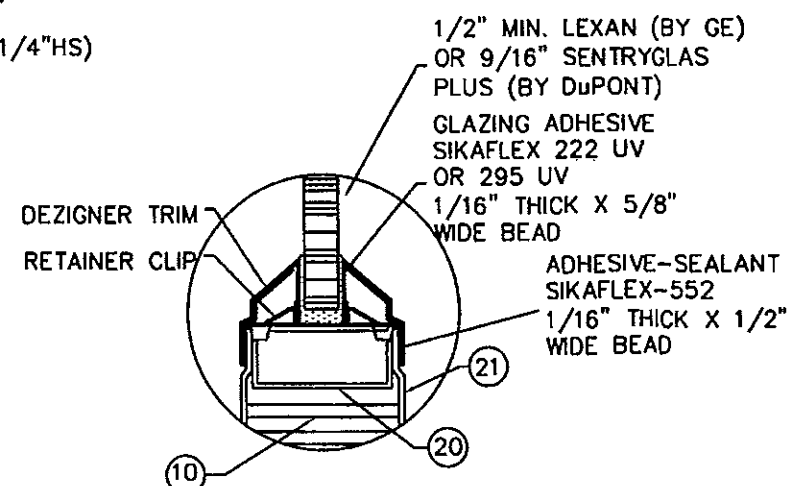
**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 12-0305-07  
Expiration Date 2/1/13  
By: [Signature]  
Division: [Signature]

- NOTES:**
1. SEE SHT.1 FOR ELEVATION, MATERIAL AND SIZE
  2. SEE SHT.1 NOTE 2. FOR ANCHOR REQUIREMENTS
  3. SEE SHT. 6 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM
  4. SEE SHT. 5 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
  5. HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS

**GLAZING DETAIL 'E'**  
STEEL TRIM OPTION

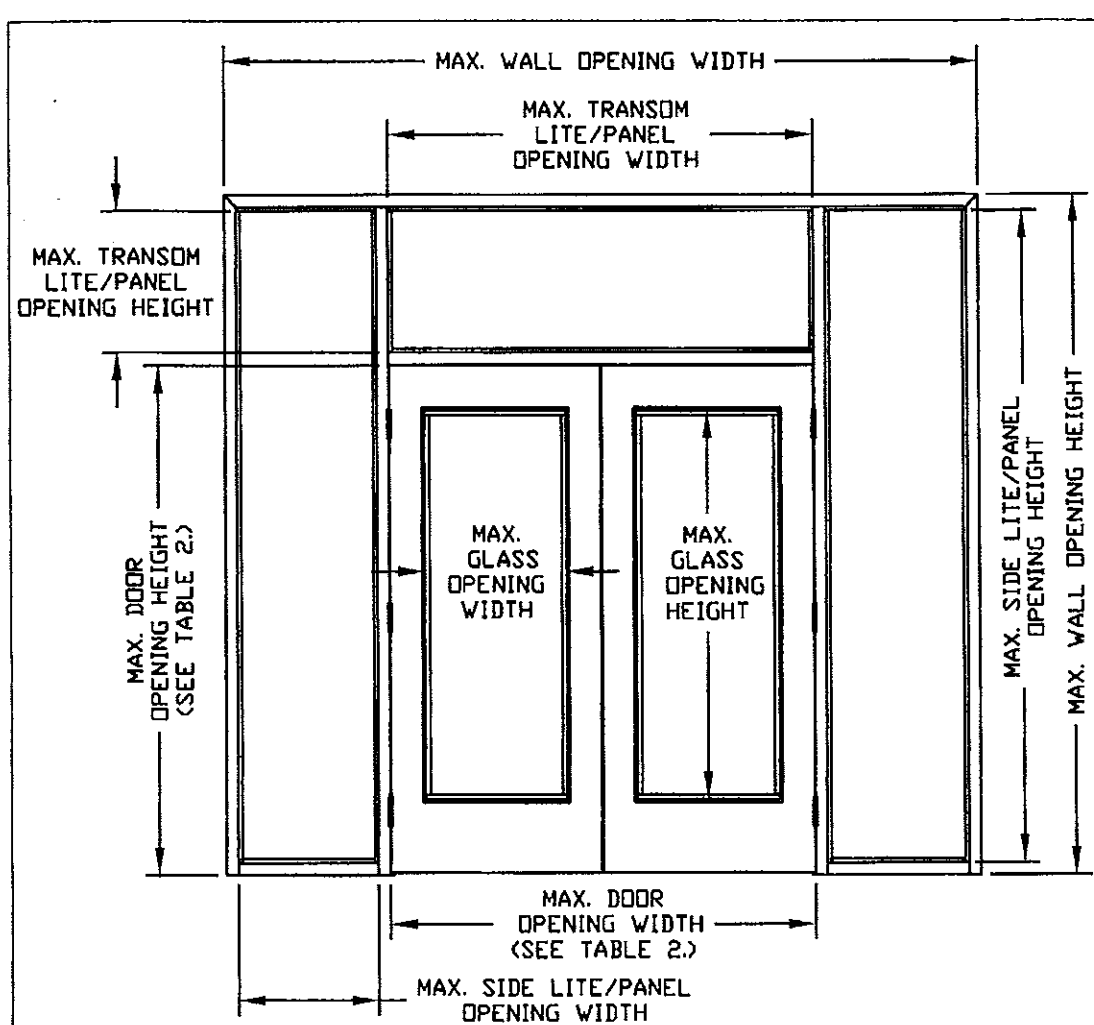


**GLAZING DETAIL 'D'**  
DESIGNER TRIM OPTION

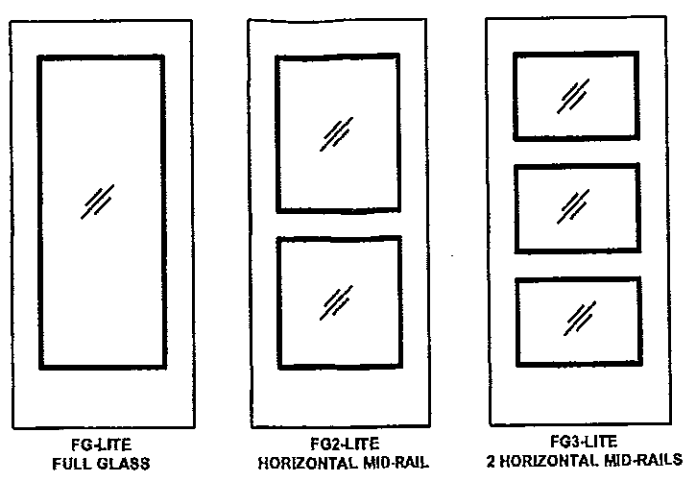


**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 08-0715-03  
Expiration Date SEP 11/2013  
By: [Signature]  
Division: [Signature]

BEND RADIUS				<b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION					
DRAWN YMF	DATE 02.25.03	TITLE: DADE COUNTY GLAZING AND PANEL DETAILS IR EXIT HARDWARE H-SERIES FG 6070 DOUBLE OPENING FULL GLAZED CONFIGURATION W/SIDE AND TRANSOM LITES/PANEL			
CHECKED		(B)			
APPROVED		SIZE	FLAT	DWG NO. 975W	SHEET 4 OF 8
ENG. APPVL		SCALE: NTS		AUTOCAD	REV C



AVAILABLE DOOR-LITE CONFIGURATIONS (SEE NOTE 2.)

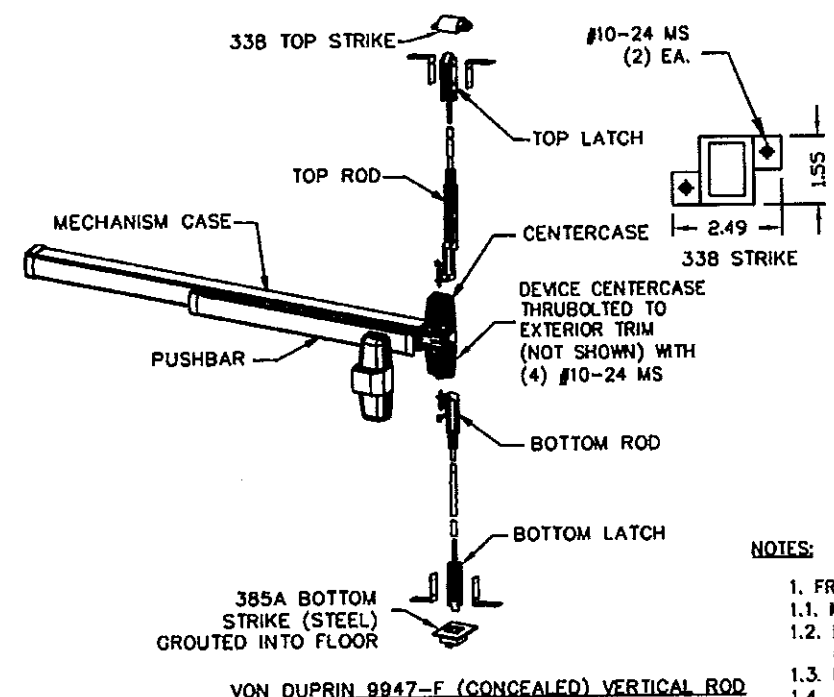


REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	YMF	01/06/05
C	REV'D DWG		08/27/08

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 13-082602  
Expiration Date 9/11/13  
By: [Signature]

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 12-030597  
Expiration Date 9/11/13  
By: [Signature]

[Signature]  
9/17/08  
FL 46710



PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 08-021503  
Expiration Date SEP 14, 2013  
By: [Signature]  
Miami Dade Product Control  
Division

NOTES:

- FRAME CONSTRUCTION  
1.1. MINIMUM JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"  
1.2. FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULTI-USE (MU-SERIES) (SEE TABLE 1.)  
1.3. FOR GLAZING DETAILS REFER TO SHEET 4.  
1.4. SIDE/TRANSOM LITE/PANEL SIZES SHOWN (AS TESTED) ARE MAX. SIZES AVAILABLE. MULTIPLE LITES/PANELS ARE ACCEPTABLE WITH TOTAL DIMENSIONS LESS OR EQUAL TO THE SHOWN MAX. DIMENSIONS.
- DOOR CONSTRUCTION  
2.1. MINIMUM DOOR THICKNESS - 1 3/4"  
2.2. GLASS OPENING SIZE TESTED (SEE TABLE 2.) IS MAX SIZE AVAILABLE FOR 6'0" X 7'0" DOOR OPENING. ALL SMALLER SIZES ARE ACCEPTABLE.  
2.3. MAXIMUM GLASS OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE.  
2.4. AVAILABLE DOOR-LITE CONFIGURATIONS: FG, FG2 & FG3.  
2.5. FOR GLAZING DETAILS REFER TO SHEET 4.
- FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 3.

TABLE 1. AVAILABLE FRAME CONFIGURATIONS (SEE NOTE 1.)

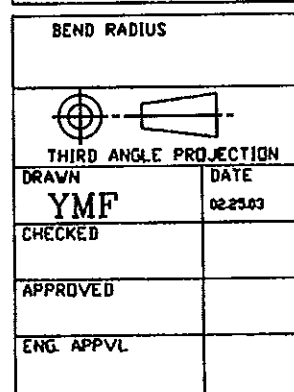
FRAME SERIES	JAMB DEPTH	FRAME MATERIAL		WALL OPENING SIZE, MAX.		TRANSOM LITE/PANEL OPENING SIZE, MAX.		SIDE LITE/PANEL OPENING SIZE, MAX.		GLAZING MATERIAL	
		DESCR.	GA./MIN. THK	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	DESCR.	THICKNESS
F	5.75" MIN.	CRS/HRS GALV	16/.053" 14/.067" 12/.099"	10'8" (128")	9'6" (114")	6'0" (72")	2'0" (24")	2'0" (24")	9'0" (108")	POLYCARBONATE (LEXAN, HYZOD)	.5" MIN.
		STAINLESS STEEL	16/.053"							LAMINATED GLASS (SENTRYGLAS PLUS)	.56" MIN.
MU	5.75" MIN.	CRS/HRS GALV	16/.053" 14/.067"							TRANSOM PANEL WITH HONEYCOMB CORE	1.75"

TABLE 2. AVAILABLE DOOR CONFIGURATIONS (SEE NOTE 2.)

CORE MATERIAL PER SHT.7	DOOR OPENING SIZE, MAX.		SKIN MATERIAL		GLASS OPENING SIZE, MAX.		GLAZING MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK	WIDTH	HEIGHT	DESCR.	THICKNESS
HONEYCOMB POLYSTYRENE POLYURETHANE	6'0" (72")	7'0" (84")	CRS GALV Fy min=27.5KSI	16/.053" 14/.067"	2'0" (24")	5'4" (64")	POLYCARBONATE (LEXAN, HYZOD)	.5" MIN.
			STAINLESS STEEL	16/.053"			0.09" LAMINATED GLASS (SENTRYGLAS PLUS)	.56" MIN.

TABLE 3.

CRS ASTM A1008
HRS ASTM A1011
GALV: A60 ASTM A924
STL: 304,316 ASTM A666



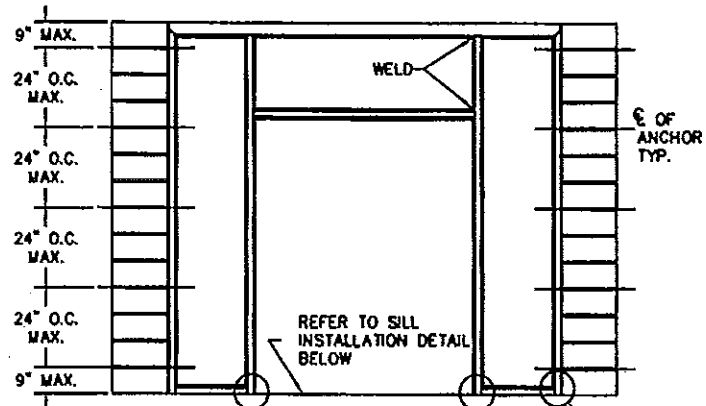
**INGERSOLL-RAND COMPANY**  
STEELCRAFT MFG.

9017 BlueAsh Rd. Cincinnati Ohio 45242

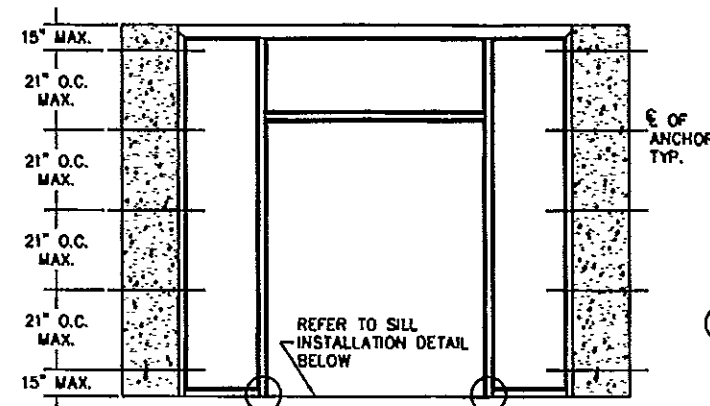
TITLE: Dade County DOOR AND FRAME CONFIGURATIONS AND MATERIAL SPECS.	
SIZE: FLAT	DWG NO: 975W
SHEET 5 OF 8	
SCALE: NTS	AUTOCAD
REV: C	



**A WIRE MASONRY ANCHOR**  
INTO GROUT FILLED FRAME  
AND BLOCK WALL



**B EXISTING MASONRY ANCHOR (EMA)**  
INTO CONCRETE WALL OR CMU



Ø0.375" WITH 2"  
MIN. EMBEDMENT  
WEJ-IT, RAWL BOLT,  
POWER BOLT,  
REDHEAD TRUBOLT  
OR DYNABOLT

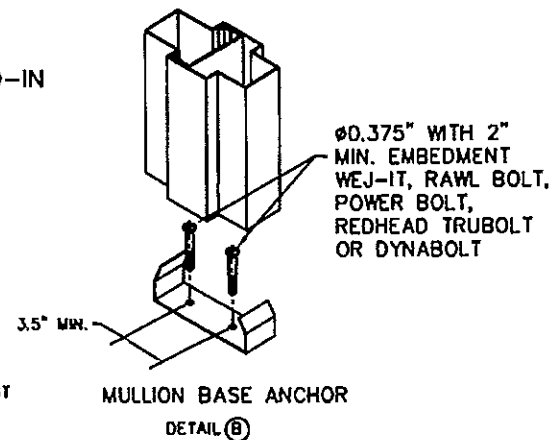
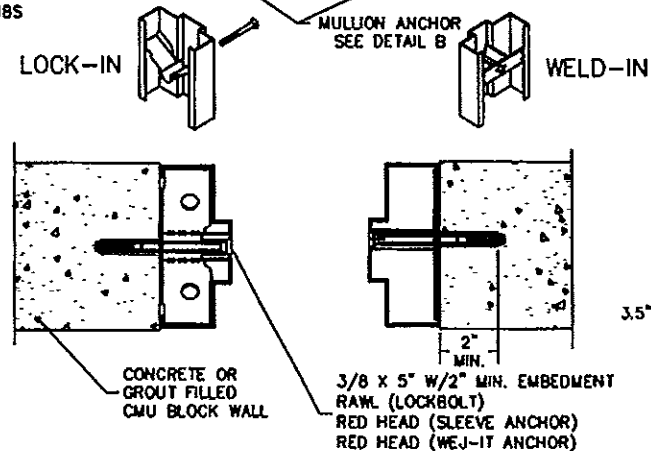
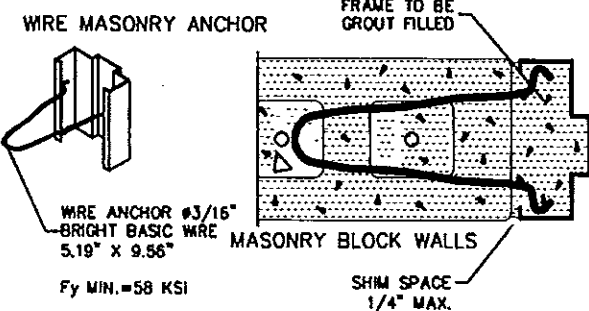
JAMB BASE ANCHOR  
(WELDED OR ADJUSTABLE)

DETAIL A

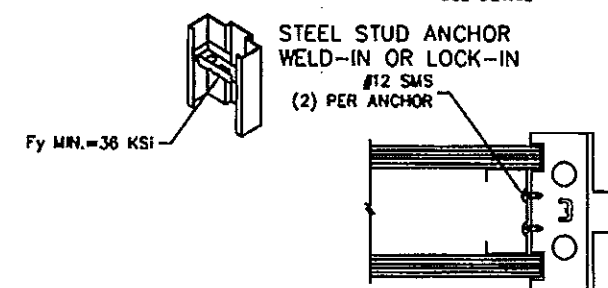
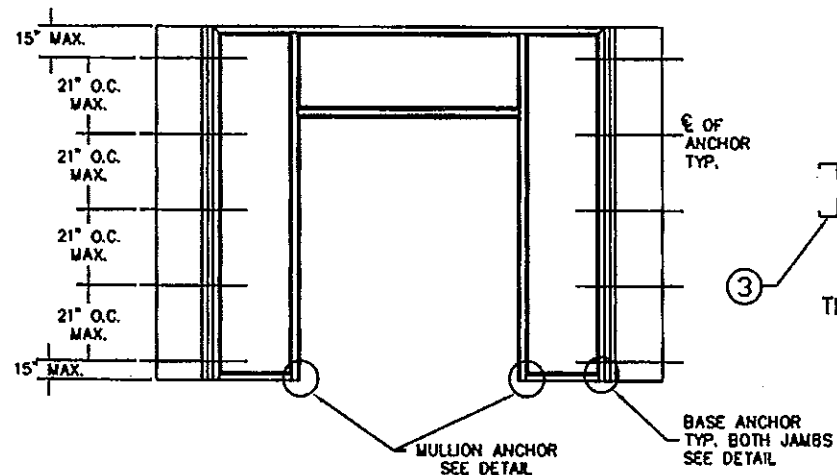
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0826-02  
Expiration Date 9/19/14

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 08-0715-03  
Expiration Date SEP 14 2013  
By: [Signature]  
Miami State Product Control  
Division

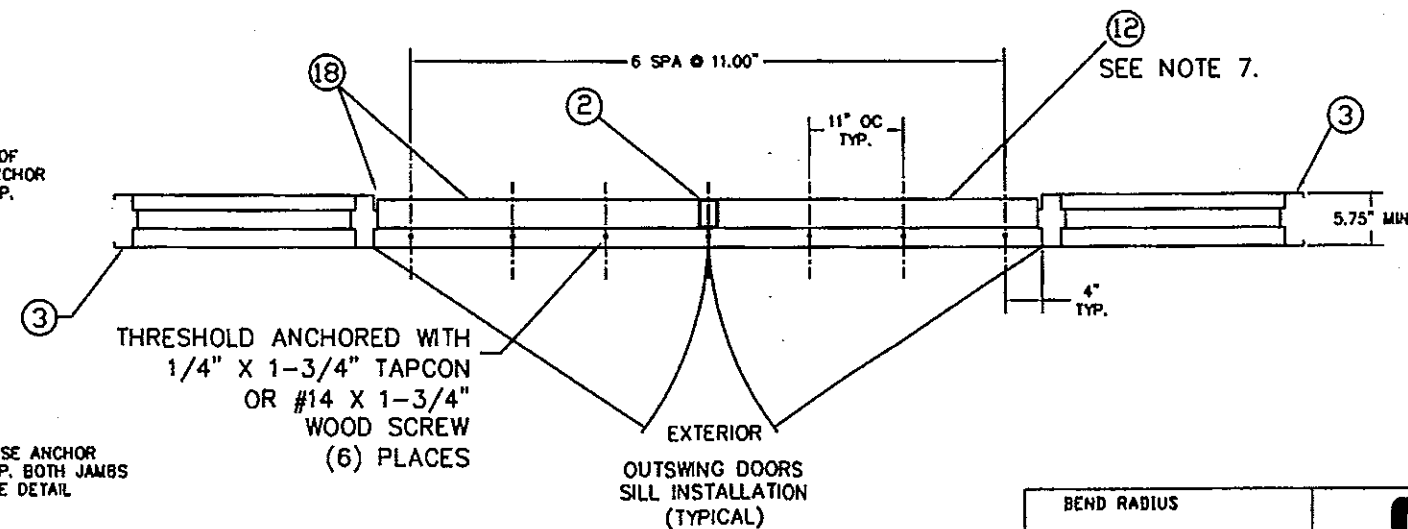
APPROVED  
9/17/08  
FL 46718



**C STEEL STUD ANCHOR**



STEEL STUD WALLS  
SEE NOTE 1.

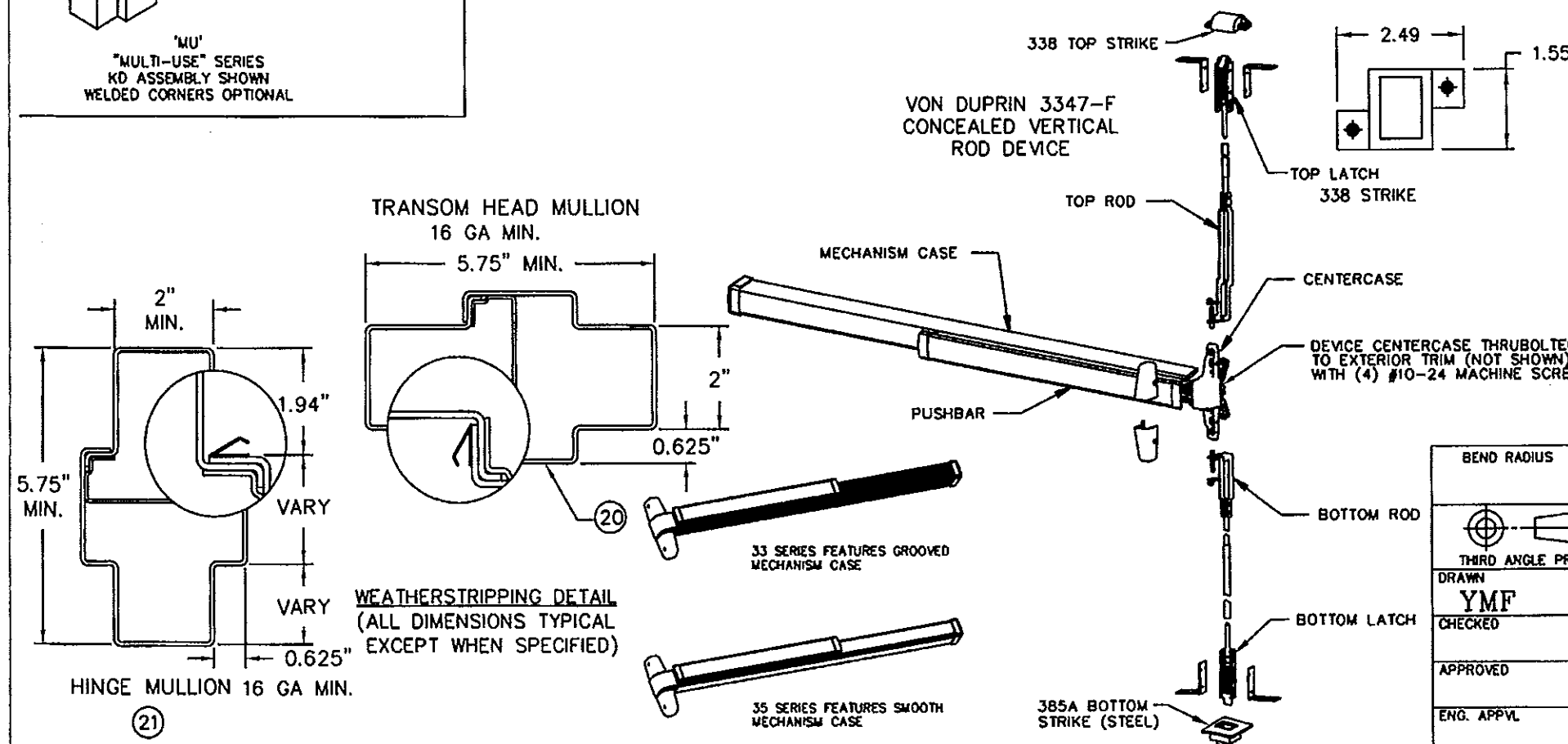
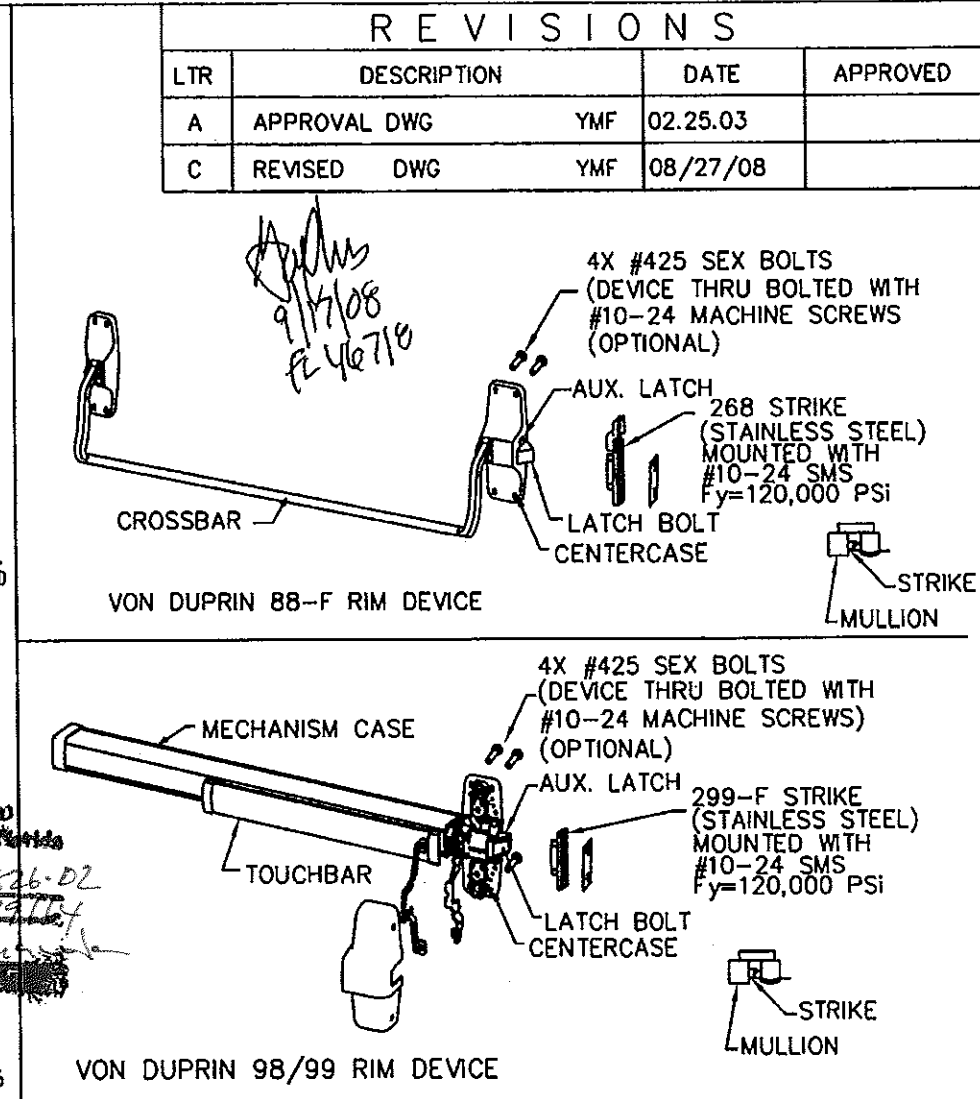
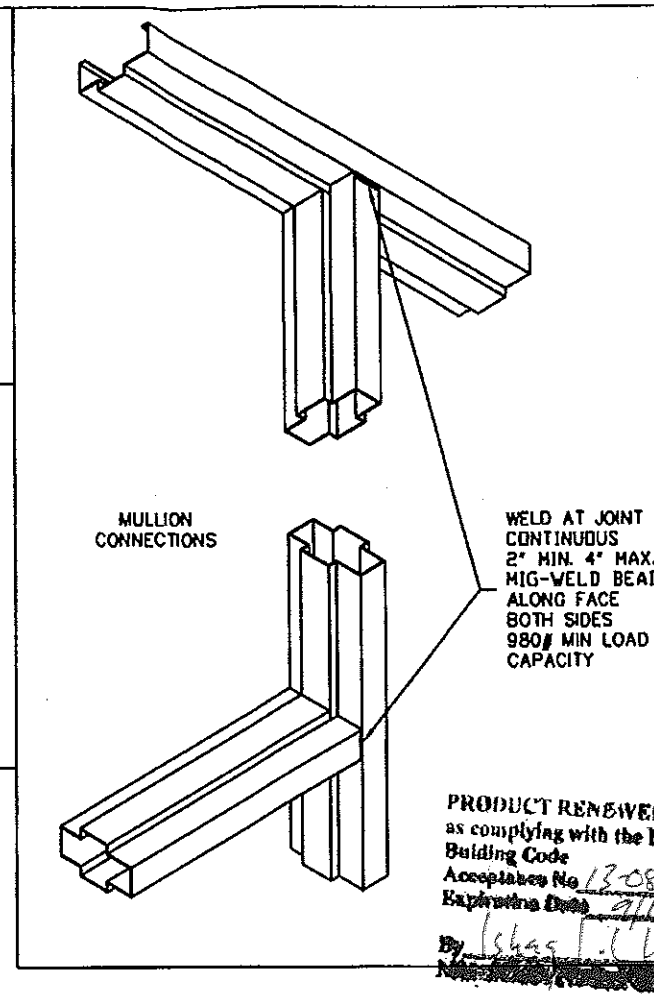
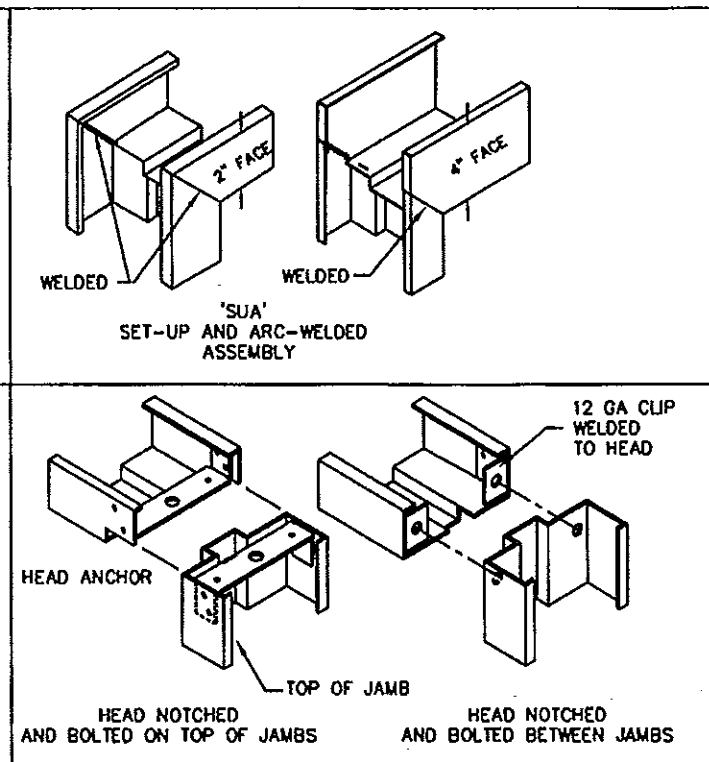
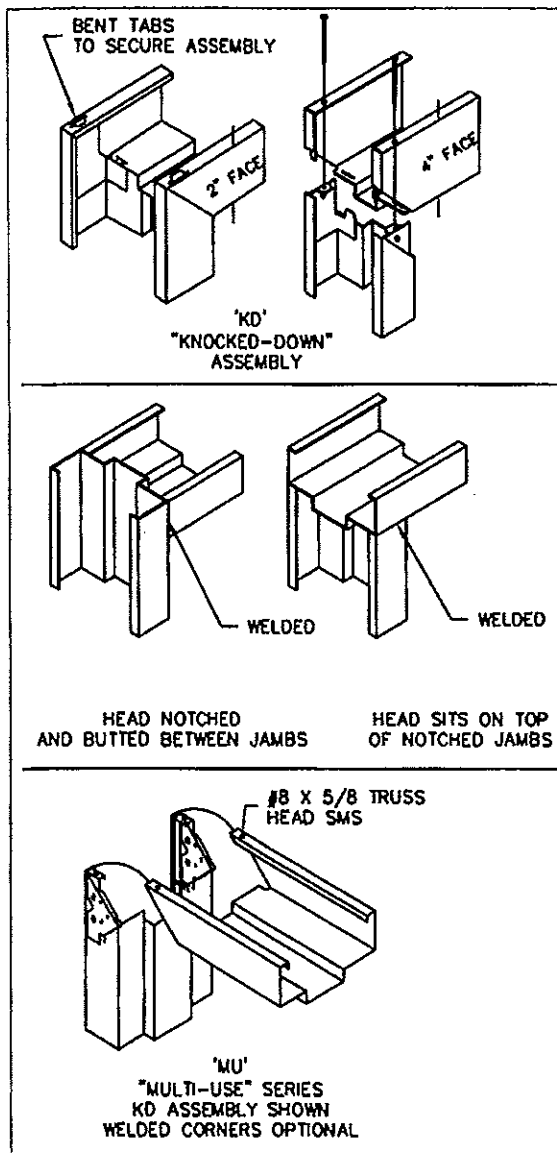


NOTES:

1. STEEL STRUCTURAL MEMBERS OF STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 320 #/ft. LOAD, AND SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.

BEND RADIUS		<b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION			
DRAWN YMF	DATE 02.25.03	TITLE DADE COUNTY ANCHOR DETAILS / MOUNTING CONDITIONS	
CHECKED		SIZE FLAT	DWG NO. 975W
APPROVED		SHEET 6 OF 8	
ENG. APPVL		SCALE NTS	REV C



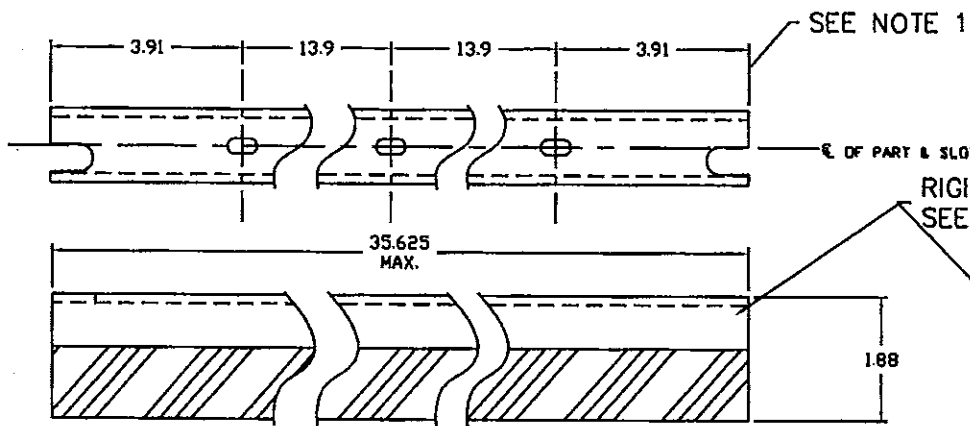


PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 08-0715-03 Expiration Date SEP 11, 2013 By: [Signature] Miami Code Product Control Division

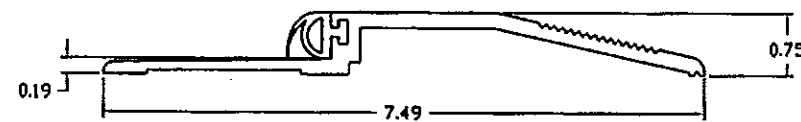
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 12-0305-07 Expiration Date 12/11/12 By: [Signature] Miami Code Product Control Division

NOTE: ELECTRICAL HARDWARE FUNCTIONS AND INSTALLATION IS NOT PART OF THIS APPROVAL. SUCH INSTALLATION TO BE REVIEWED AND APPROVED BY AHJ.

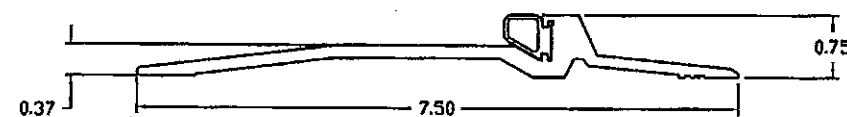
BEND RADIUS				<b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION				TITLE: CORNER DETAILS AND WEATHERSTRIPPING ATTACHMENT FOR FLUSH FRAME AND MU FRAMES	
DRAWN YMF	DATE 02.25.03	SIZE	FLAT	DWG NO. 975W	SHEET 7 OF 8
CHECKED		SCALE: NTS	AUTOCAD		REV C
APPROVED					
ENG. APPVL					



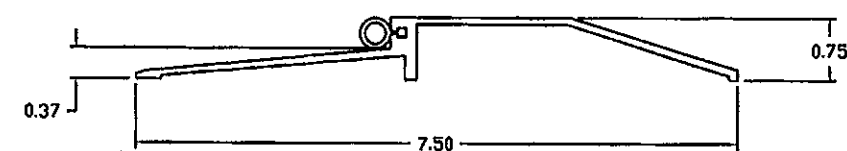
(15) FAS-SEAL DOOR SWEEP



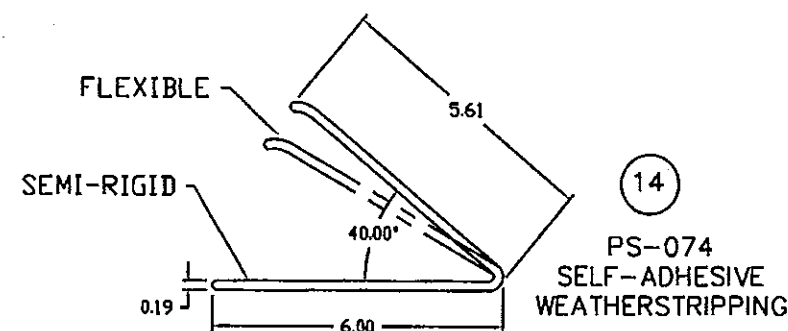
(12) ZERO INT'L 566 SERIES THRESHOLD WITH NEOPRENE BUMPER



(12) PEMKO 2005 SERIES THRESHOLD WITH SILICONE, VINYL OR PILE SEAL



(12) NATIONAL GUARD 950 SERIES THRESHOLD WITH SILICONE, VINYL OR NEOPRENE BUMPER



(14)

RIGID SECTION SEE NOTE 2.

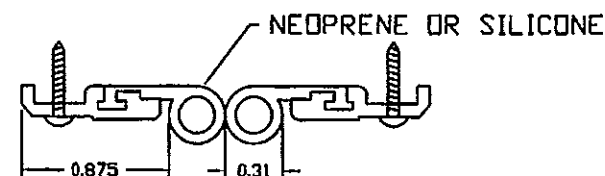
FLEXIBLE SECTION SEE NOTE 3.



(17) ZERO INT'L 328 SERIES SPLIT ASTRAGAL WITH NEOPRENE SEAL



(17) PEMKO 303 SERIES SPLIT ASTRAGAL WITH SILICONE, VINYL OR PEMKOPRENE SEAL



(17) NATIONAL GUARD 137 SERIES SPLIT ASTRAGAL WITH NEOPRENE OR SILICONE SEAL

PRODUCT REVIEWED as complying with the Florida Building Code Acceptance No. 12-0305-07 Expiration Date 9/19/13 By [Signature]

PRODUCT REVIEWED as complying with the Florida Building Code Acceptance No. 13-0826-02 Expiration Date 9/19/13 By [Signature]

PRODUCT REVIEWED as complying with the Florida Building Code Acceptance No. 08-0715-03 Expiration Date 9/19/13 By [Signature]

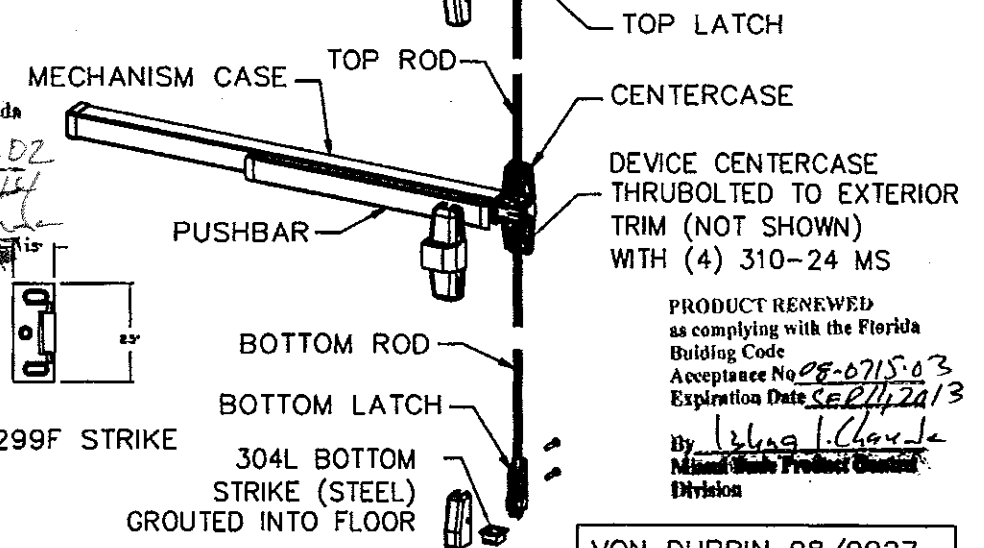
# NOTES:

1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73 73 DUROMETER - SHORE A SCALE

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	YMF	01/06/05
C	REVISED DWG	YMF	08/27/08

(4) X #325 SEXBOLTS (MOUNTED ON OPPOSITE DOOR FACE) FASTEN TOP AND BOTTOM LATCHES TO DOOR (MOUNTED WITH (7) #1/4-20 MS)

299F TOP STRIKE (STEEL) MOUNTED WITH (3) #10-24 SMS Fy MIN.=120 KSI



VON DUPRIN 98/9927 SURFACE VERTICAL ROD DEVICE

BEND RADIUS		INGERSOLL-RAND COMPANY STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION	DATE 022503	TITLE DADE COUNTY DOUBLE DOORS ACCESSORIES BOTTOM SWEEP THRESHOLDS, SPLIT ASTRAGALS AND WEATHERSTRIPPING	
DRAWN YMF	CHECKED	SIZE FLAT	DWG NO. 975W
APPROVED	ENG. APPVL	SHEET 8 OF 8	REV C
SCALE: NTS		AUTOCAD	